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	Filing Date		2002-01-10	
	First Named Inventor	MARANAS, COSTAS D.		
	Art Unit	1631		
	Examiner Name	CLOW, LORI A.		
Attorney Docket Number		P05468US01 (1 OF 3)		

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/LC/	1	Anandalingam and Friesz, "Hierarchical Optimization: An Introduction," <i>Annals. Ops. Res.</i> 34:1-11 (1992).	<input type="checkbox"/>
	2	Arigoni, et al., "A genome-based approach for the identification of essential bacterial genes," <i>Nat. Biotechnol.</i> 16 (9):851-856 (1998).	<input type="checkbox"/>
	3	Aristidou et al., "Modification of central metabolic pathway in <i>Escherichia coli</i> to reduce acetate accumulation by heterologous expression of the <i>Bacillus subtilis</i> acetolactate synthase gene," <i>Biotechnol. Bioeng.</i> 44:944-951 (1994).	<input type="checkbox"/>
	4	Arita, "The metabolic world of <i>Escherichia coli</i> is not small," <i>Proc. Natl. Acad. Sci. USA</i> 101(6):1543-1547 (2004).	<input type="checkbox"/>
	5	Arita, "Metabolic construction using shortest paths," <i>Sim. Pract. Theory</i> , 8(1-2):109-125 (2000).	<input type="checkbox"/>
	6	Badarinarayana, et al., "Selection analyses of insertional mutants using subgenic-resolution arrays," <i>Nat. Biotechnol.</i> 19(11):1060-1065 (2001).	<input type="checkbox"/>
	7	Bailey and Gribskov, "Combining evidence using p-values: application to sequence homology searches," <i>Bioinformatics</i> 14(1):48-54 (1998)	<input type="checkbox"/>
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	9	Biebl, et al., "Microbial production of 1,3-propanediol propanediol," <i>Appl. Microbiol. Biotechnol.</i> 52(3):289-297 (1999).	<input type="checkbox"/>
	10	Blattner, et al., "The complete genome sequence of <i>Escherichia coli</i> K-12," <i>Science</i> 277(5331):1453-74 (1997).	<input type="checkbox"/>
/LC/	11	Bogarad and Deem, "A hierarchical approach to protein molecular evolution," <i>Proc. Natl. Acad. Sci. USA</i> 96 (6):2591-2595 (1999).	<input type="checkbox"/>

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/LC/	12	Bond and Lovley, "Electricity production by <i>Geobacter sulfurreducens</i> attached to electrodes," <i>Appl. Environ. Microbiol.</i> 69(3):1548-1555 (2003).	<input type="checkbox"/>
	13	Burgard and Maranas, "Optimization-based framework for inferring and testing hypothesized metabolic objective functions," <i>Biotechnol. Bioeng.</i> 82(6):670-677 (2003).	<input type="checkbox"/>
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	17	Cameron et al., "Metabolic engineering of propanediol pathways," <i>Biotechnol. Prog.</i> 14(1):116-125 (1998).	<input type="checkbox"/>
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	20	Chen and Zhu, "Computer Program for Calculating the Melting Temperature of Degenerate Oligonucleotides Used in PCR or Hybridization," <i>BioTechniques</i> , 22:1158-1160 (1997).	<input type="checkbox"/>
	21	Chistoserdova et al., "C1 transfer enzymes and coenzymes linking methylotrophic bacteria and methanogenic Archaea," <i>Science</i> 281(5373):99-102 (1998).	<input type="checkbox"/>
↓ /LC/	22	Cho et al., "Ethical considerations in synthesizing a minimal genome," <i>Science</i> 286:2087-2090 (1999).	<input type="checkbox"/>

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/LC/	23	Compagno et al., "Glycerol production in a triose phosphate isomerase deficient mutant of <i>Saccharomyces cerevisiae</i> ," <i>Biotechnol. Prog.</i> 12(5):591-595 (1996).	<input type="checkbox"/>
	24	Covert et al., "Metabolic modeling of microbial strains in silico," <i>Trends Biochem. Sci.</i> 26:179-186 (2001).	<input type="checkbox"/>
	25	Covert and Palsson, "Transcriptional regulation in constraints-based metabolic models of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 277(31):28058-28064 (2002).	<input type="checkbox"/>
	26	Datta et al., "Technological and economic potential of poly(lactic acid) and lactic acid derivatives," <i>FEMS Microbiol. Rev.</i> 16:221-231 (1995).	<input type="checkbox"/>
	27	David et al., "Reconstruction of the central carbon metabolism of <i>Aspergillus niger</i> ," <i>Eur J. Biochem.</i> 270 (21):4243-4253 (2003).	<input type="checkbox"/>
	28	Delgado and Liao, "Identifying Rate-Controlling Enzymes in Metabolic Pathways without Kinetic Parameters," <i>Biotechnol. Prog.</i> 7:15-20 (1991).	<input type="checkbox"/>
	29	Dernain, "Stunning achievements of industrial microbiology," <i>ASM News</i> 65:311-316 (1999).	<input type="checkbox"/>
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/LC/	34	Forster, et al., "Genome-scale reconstruction of the <i>Saccharomyces cerevisiae</i> metabolic network," <i>Genome Res.</i> 13 (2):244-253 (2003).	<input type="checkbox"/>
	35	Geoffrion "Lagrangean relaxation and its uses in integer programming," <i>Mat. Program. Stud.</i> 2:82 (1974).	<input type="checkbox"/>
	36	Gupta and Clark, "Escherichia coli derivatives lacking both alcohol dehydrogenase and phosphotransacetylase grow anaerobically by lactate fermentation," <i>J. Bacteriol.</i> 171(7):3650-3655 (1989).	<input type="checkbox"/>
	37	Hartlep et al., "Study of two-stage processes for the microbial production of 1,3 propanediol from glucose," <i>Appl. Microbiol. Biotechnol.</i> 60(1-2):60-66 (2002).	<input type="checkbox"/>
	38	Hatzimanikatis, et al., "Application of mathematical tools for metabolic design of microbial ethanol production," <i>Biotechnol. Bioeng.</i> 58(2-3):154-161 (1998).	<input type="checkbox"/>
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	40	Henriksen et al., "Growth energetics and metabolic fluxes in continuous cultures of <i>Penicillium chrysogenum</i> ," <i>J. Biotechnol.</i> 45:149-164 (1996).	<input type="checkbox"/>
	41	Hugler et al., "Malonyl-coenzyme A reductase from <i>Chloroflexus aurantiacus</i> , a key enzyme of the 3-hydroxypropionate cycle for autotrophic CO ₂ fixation," <i>J. Bacteriol.</i> 184(9):2404-2410 (2002).	<input type="checkbox"/>
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/LC/	45	Jorgensen, et al., "Metabolic flux distributions in <i>Penicillium chrysogenum</i> during fed-batch cultivations," <i>Biotechnol. Bioeng.</i> 46(2):117-131 (1995).	<input type="checkbox"/>
/LC/	46	Kacser and Burns, "The control of flux," <i>Symp. Soc. Exp. Biol.</i> 27:65-104 (1973).	<input type="checkbox"/>
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/LC/	48	Kanehisa and Goto, "KEGG: kyoto encyclopedia of genes and genomes," <i>Nucl. Acids Res.</i> 28(1):27-30 (2000).	<input type="checkbox"/>
/LC/	49	Karp et al., "The EcoCyc and MetaCyc databases," <i>Nucl. Acids Res.</i> 28(1):56-59 (2000).	<input type="checkbox"/>
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